



UNITED STATES PATENT AND TRADEMARK OFFICE

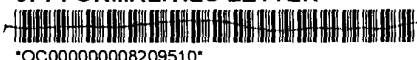
Commissioner for Patents, Box PC1
United States Patent and Trademark Office
Washington, D.C. 20231
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/786,480	Andrew Goldsbrough	11951.0005.PCUS00;
INTERNATIONAL APPLICATION NO.		
PCT/GB99/03011		
I.A. FILING DATE	PRIORITY DATE	
09/09/1999	09/10/1998	

Patricia A Kammerer
Howrey Simon Arnold & White
750 Bering Drive
Houston, TX 77057

CONFIRMATION NO. 8719

371 FORMALITIES LETTER



OC000000008209510

Date Mailed: 06/03/2002

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fee
- Priority Document
- Biochemical Sequence Diskette
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Information Disclosure Statements
- Oath or Declaration
- Preliminary Amendments

REC'D HOWREY SIMON ARNOLD & WHITE

JUN 11 2002

HOUSTON DOCKETING DEPT.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
 - The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

■ APPLICANT MUST PROVIDE:

- An initial or substitute computer readable form (CRF) of the "Sequence Listing."
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
 - For Rules Interpretation, call (703) 308-4216
 - To Purchase PatentIn Software, call (703) 306-2600
 - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov
 - The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

TAMALA D HOLLAND

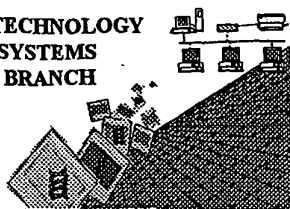
Telephone: (703) 305-5483

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY DOCKET NO.
09/786,480	PCT/GB99/03011	11951.0005.PCUS00;

RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/786,480A
Source: pat/09
Date Processed by STIC: 5/14/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



PCT09

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/786,480A

DATE: 05/14/2002
 TIME: 15:38:17

Input Set : A:\MSIB005.ST25.txt
 Output Set: N:\CRF3\05142002\I786480A.raw

Does Not Comply
 Corrected Diskette Needed

see p. 6

3 <110> APPLICANT: Goldsbrough, Andrew
 4 Colliver, Steve
 6 <120> TITLE OF INVENTION: Improvements in or Relating to Plant Starch Composition
 8 <130> FILE REFERENCE: 11951.0005.PCUS00 MSIB:005
 10 <140> CURRENT APPLICATION NUMBER: 09/786,480A
 11 <141> CURRENT FILING DATE: 2001-06-13
 13 <150> PRIOR APPLICATION NUMBER: PCT/GB99/03011
 14 <151> PRIOR FILING DATE: 1999-09-09
 16 <150> PRIOR APPLICATION NUMBER: EP 98307337.0
 17 <151> PRIOR FILING DATE: 1998-09-10
 19 <160> NUMBER OF SEQ ID NOS: 55
 21 <170> SOFTWARE: PatentIn version 3.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 2307
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Triticum aestivum
 28 <220> FEATURE:
 29 <221> NAME/KEY: misc_feature
 30 <222> LOCATION: (2036)..(2270)
 31 <223> OTHER INFORMATION: N = any nucleotide
 34 <400> SEQUENCE: 1
 35 catygacggc cagtgaattc gagctcggta cccggggatc cgatttggtg tgtgggagat 60
 37 gttcttgcca aacaatgcag atggttcgcc accaatcct caccgctcac ggtgaagg 120
 39 gagaatggat actccatctg ggataaagga ttcaattcct gcttgatca agtactcgt 180
 41 gcagactcca ggagatatac catacaatgg aatatattat gatcctcccg aagaggagaa 240
 43 gtatgtattc aagcatcctc aacctaaccg accaaaatca ttgcggatat atgaaacaca 300
 45 tgttggcatg agtagcccg aaccaaaagt caacacatat gcaaacttca gggatgaggt 360
 47 gcttccaaga attaaaagac ttggatacaa tgcagtgcaa ataatggcaa tccaggagca 420
 49 ctcatactat ggaagctttg ggtaccatgt taccaatttc ttgacacaa gtagccgttt 480
 51 tgggtcccca gaagatttaa aatctttgat tgatagagct caccagcttg gcttggttgt 540
 53 cctcatggat gttgttcaca gtcacgcgtc aaataatacc ttggacgggt tgaatgggtt 600
 55 tgatggcagc gatacacatt acttccatgg cggttcacgg ggccatcact ggatgtggga 660
 57 ttcccggtgtg ttaactatg ggaataagga agttataagg tttctacttt ccaatgcaag 720
 59 atggtggcta gaggagtata agtttgatgg ttcccgattc gatggcgoga cctccatgat 780
 61 gtatacccat catggattac aagtaacctt tacaggaagc taccatgaat attttggctt 840
 63 tgccactgat gtagatgcgg tcgtttactt gatgctgatg aatgatctaa ttcattgggtt 900
 65 ttatccctgaa gccgtaacta tcggtgaaga tgtagtgga atgcctacat ttgcccttcc 960
 67 tgttcaagtt ggtggggttg gttttgacta tcgcttacat atggctgttg ccgacaaatg 1020
 69 gattgaactt ctcaaaggaa acgatgaagc ttgggagatg ggtaatatgtg tgcacacact 1080
 71 aacaaacaga aggtggccgg aaaagtgtgt tacttatgct gaaagtcacg atcaagcact 1140
 73 ggttggagac aagactattg cattctggtt gatggacaag gatattgatg atttcattgc 1200
 75 tctgaacgga ccttcgacac ctagtattga tcgtggaata gcaactgcata aaatgattag 1260
 77 acttatcaca atgggtttag gaggagaggg ttatcttaac tttatgggaa atgagttcgg 1320

RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/09/786,480A

TIME: 15:38:17

Input Set : A:\MSIB005.ST25.txt

Output Set: N:\CRF3\05142002\I786480A.raw

```

79 gcatacctgaa tggatagact ttccaagagg cccacaagta cttccaactg gtaagttcat 1380
81 cccaggaaac aacaacagtt acgacaaatg cgcgcgaaga tttgaccagg gtgatgcaga 1440
83 atttcttagg tatcatggta tgcagcagtt tgatcaggcg atgcagcatc ttgaggaaaa 1500
85 atatggcttt atgacatcag accaccagta cgtatctcgg aaacatgagg aagataaggt 1560
87 gatcgtgttt gaaaaagggg acttgggtatt tgtgttcaac ttccactgga gtaatagcta 1620
89 ttccgactac cgggttggct gtttaaagcc tgggaagtac aaggttgtct tagactcaga 1680
91 cgccggactc tttggtggat ttggtaggat ccatcacact gcagagcact tcacttctga 1740
93 ctgccaacat gacaacaggc cccattcgtt ctcagtgtac actcctagca gaacctgtgt 1800
95 tgtctatgct ccaatgaact aaacagcaaa gtgcagcata cgcagtcacg ctgtgtttgc 1860
97 tagcactagc aagaaaaaat cgtatggtca atacaaccag gtgcaagggt taataagggt 1920
99 ttgcttcaac gagtccctgga tagacaagac aacatgatga tgtgctctgt gctcccaaat 1980
-> 101 tcccaggcgg tttgtggagaa aaaatgctca tctgtgttat tttatggatc agggangaaa 2040
103 cctcccccaa anaccctttt ttttttgaa agnggatag gcccccgtn tctgcatntg 2100
105 gatgcctcct taaatntttg tagccataaa ccattgctag tgtcctntaa attgacagtt 2160
107 tagaatagng gttntacttt tgtattttnt ttttgacagt tagactgtat tcctcaataa 2220
-> 109 atcgacatgt tgtttactcg aagntgagaa ataaaatcag agattgnagn aaaaaaaaaa 2280
111 aaaaaaaaaa aaaaaaaaaa aaaaaaa 2307
114 <210> SEQ ID NO: 2
115 <211> LENGTH: 758
116 <212> TYPE: PRT
117 <213> ORGANISM: Triticum aestivum
119 <220> FEATURE:
120 <221> NAME/KEY: PEPTIDE
121 <222> LOCATION: (675)..(746)
122 <223> OTHER INFORMATION: Xaa = any amino acid
125 <400> SEQUENCE: 2
127 Ile Asp Gly Gln Leu Arg Ala Arg Tyr Pro Gly Ile Arg Phe Gly Val
128 1 5 10 15
130 Trp Glu Met Phe Leu Pro Asn Asn Ala Asp Gly Ser Pro Pro Ile Pro
131 20 25 30
133 His Gly Ser Arg Val Lys Val Arg Met Asp Thr Pro Ser Gly Ile Lys
134 35 40 45
136 Asp Ser Ile Pro Ala Trp Ile Lys Tyr Ser Val Gln Thr Pro Gly Asp
137 50 55 60
139 Ile Pro Tyr Asn Gly Ile Tyr Tyr Asp Pro Pro Glu Glu Lys Tyr
140 65 70 75 80
142 Val Phe Lys His Pro Gln Pro Lys Arg Pro Lys Ser Leu Arg Ile Tyr
143 85 90 95
145 Glu Thr His Val Gly Met Ser Ser Pro Glu Pro Lys Ile Asn Thr Tyr
146 100 105 110
148 Ala Asn Phe Arg Asp Glu Val Leu Pro Arg Ile Lys Arg Leu Gly Tyr
149 115 120 125
151 Asn Ala Val Gln Ile Met Ala Ile Gln Glu His Ser Tyr Tyr Gly Ser
152 130 135 140
154 Phe Gly Tyr His Val Thr Asn Phe Phe Ala Pro Ser Ser Arg Phe Gly
155 145 150 155 160
157 Ser Pro Glu Asp Leu Lys Ser Leu Ile Asp Arg Ala His Glu Leu Gly
158 165 170 175
160 Leu Val Val Leu Met Asp Val Val His Ser His Ala Ser Asn Asn Thr

```

RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/09/786,480A

TIME: 15:38:17

Input Set : A:\MSIB005.ST25.txt

Output Set: N:\CRF3\05142002\I786480A.raw

```

161          180          185          190
163 Leu Asp Gly Leu Asn Gly Phe Asp Gly Thr Asp Thr His Tyr Phe His
164          195          200          205
166 Gly Gly Ser Arg Gly His His Trp Met Trp Asp Ser Arg Val Phe Asn
167          210          215          220
169 Tyr Gly Asn Lys Glu Val Ile Arg Phe Leu Leu Ser Asn Ala Arg Trp
170 225          230          235          240
172 Trp Leu Glu Glu Tyr Lys Phe Asp Gly Phe Arg Phe Asp Gly Ala Thr
173          245          250          255
175 Ser Met Met Tyr Thr His His Gly Leu Gln Val Thr Phe Thr Gly Ser
176          260          265          270
178 Tyr His Glu Tyr Phe Gly Phe Ala Thr Asp Val Asp Ala Val Val Tyr
179          275          280          285
181 Leu Met Leu Met Asn Asp Leu Ile His Gly Phe Tyr Pro Glu Ala Val
182          290          295          300
184 Thr Ile Gly Glu Asp Val Ser Gly Met Pro Thr Phe Ala Leu Pro Val
185 305          310          315          320
187 Gln Val Gly Gly Val Gly Phe Asp Tyr Arg Leu His Met Ala Val Ala
188          325          330          335
190 Asp Lys Trp Ile Glu Leu Leu Lys Gly Asn Asp Glu Ala Trp Glu Met
191          340          345          350
193 Gly Asn Ile Val His Thr Leu Thr Asn Arg Arg Trp Pro Glu Lys Cys
194          355          360          365
196 Val Thr Tyr Ala Glu Ser His Asp Gln Ala Leu Val Gly Asp Lys Thr
197          370          375          380
199 Ile Ala Phe Trp Leu Met Asp Lys Asp Met Tyr Asp Phe Met Ala Leu
200 385          390          395          400
202 Asn Gly Pro Ser Thr Pro Ser Ile Asp Arg Gly Ile Ala Leu His Lys
203          405          410          415
205 Met Ile Arg Leu Ile Thr Met Gly Leu Gly Gly Glu Gly Tyr Leu Asn
206          420          425          430
208 Phe Met Gly Asn Glu Phe Gly His Pro Glu Trp Ile Asp Phe Pro Arg
209          435          440          445
211 Gly Pro Gln Val Leu Pro Thr Gly Lys Phe Ile Pro Gly Asn Asn Asn
212          450          455          460
214 Ser Tyr Asp Lys Cys Arg Arg Arg Phe Asp Gln Gly Asp Ala Glu Phe
215 465          470          475          480
217 Leu Arg Tyr His Gly Met Gln Gln Phe Asp Gln Ala Met Gln His Leu
218          485          490          495
220 Glu Glu Lys Tyr Gly Phe Met Thr Ser Asp His Gln Tyr Val Ser Arg
221          500          505          510
223 Lys His Glu Glu Asp Lys Val Ile Val Phe Glu Lys Gly Asp Leu Val
224          515          520          525
226 Phe Val Phe Asn Phe His Trp Ser Asn Ser Tyr Phe Asp Tyr Arg Val
227          530          535          540
229 Gly Cys Leu Lys Pro Gly Lys Tyr Lys Val Val Leu Asp Ser Asp Ala
230 545          550          555          560
232 Gly Leu Phe Gly Gly Phe Gly Arg Ile His His Thr Ala Glu His Phe
233          565          570          575

```

RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/09/786,480A

TIME: 15:38:17

Input Set : A:\MSIB005.ST25.txt

Output Set: N:\CRF3\05142002\I786480A.raw

```

235 Thr Ser Asp Cys Gln His Asp Asn Arg Pro His Ser Phe Ser Val Tyr
236          580          585          590
238 Thr Pro Ser Arg Thr Cys Val Val Tyr Ala Pro Met Asn Thr Ala Lys
239          595          600          605
241 Cys Ser Ile Arg Met His Ala Val Val Ala Ser Thr Ser Lys Lys Lys
242          610          615          620
244 Ser Tyr Gly Gln Tyr Asn Gln Val Gln Gly Leu Ile Arg Val Cys Phe
245 625          630          635          640
247 Asn Glu Ser Trp Ile Asp Lys Thr Thr Cys Ala Leu Cys Ser Gln Ile
248          645          650          655
250 Pro Arg Ala Leu Trp Arg Lys Asn Ala His Leu Cys Tyr Phe Met Asp
251          660          665          670
--> 253 Gln Gly Xaa Asn Leu Pro Gln Xaa Pro Leu Phe Phe Leu Lys Gly Gly
254          675          680          685
--> 256 Ala Pro Gly Xaa Cys Xaa Trp Met Pro Pro Xaa Phe Val Ala Ile Asn
257          690          695          700
--> 259 His Cys Cys Pro Xaa Asn Gln Phe Arg Ile Xaa Val Xaa Leu Leu Tyr
260 705          710          715          720
--> 262 Phe Xaa Phe Asp Ser Thr Val Phe Leu Lys Ser Thr Cys Cys Leu Leu
263          725          730          735
--> 265 Glu Xaa Glu Lys Asn Gln Arg Leu Xaa Xaa Lys Lys Lys Lys Lys Lys
266          740          745          750
268 Lys Lys Lys Lys Lys Asn
269          755
271 <210> SEQ ID NO: 3
272 <211> LENGTH: 1036
273 <212> TYPE: DNA
274 <213> ORGANISM: Triticum aestivum
276 <220> FEATURE:
277 <221> NAME/KEY: misc_feature
278 <222> LOCATION: (77)..(1036)
279 <223> OTHER INFORMATION: N = any nucleotide
282 <400> SEQUENCE: 3
283 atgtatgatt tcatggctct gaacggacct tcgacgccta atattgatcg tggaatagca 60
--> 285 ctgcataaaa tgattanact tatcacaatg ggtttaggcg gagagggtta tcttaacttt 120
287 atgggaaatg agttcgggca tcctgaatgg atagactttc caagaggccc acaagtactt 180
289 ccaagtggta agttcatccc aggaacacag aacagttacg acaaatgccg tcgaagattt 240
291 gacctggggtg atgcagaatt tcttaggtat catggtatgc agcagtttga tcaggcaatg 300
293 cagcatcttg aggaaaaata tggttttatg acatcagacc accagtacgt atctcggaaa 360
295 cacgaggaag ataaggtgat cgtgtttgaa aaaggggact tggttattgt gttcaacttc 420
297 cactggagta atagctatct cgactaccgg gtcggctggt taaagcctgg gaagtacaag 480
299 gtggtcttag actcagacgc tggactcttt ggtggatttg gtaggatcca tcacactgca 540
301 gagcacttca cttctgactg ccaacatgac aacaggcccc attcgttctc agtgtacact 600
303 cctagcagaa cctgtgttgt ctatgctcca atgaactaac agcaaggtgc agcatacgcg 660
305 tgcgcgctgt tgttgctagt agcaagaaaa atcgtacggt caatacagcc aggtgcaagg 720
307 ttttaataagg attttttgc tcaacgagtc ctggatagac aagacaacat gatgttgagg 780
309 cgtgtgctcc caatccccag ggcgttggtg aaaaaacatg ctcatctgtg ttatgatttt 840
311 atggatcagc gacgaaactt cccccaataa cccatgcctc cttaaactct tgtggccgta 900
313 aaccattgct agtgtctctt aaattgacag tttagcatag aggttttact tttgtatctt 960

```

RAW SEQUENCE LISTING

DATE: 05/14/2002

PATENT APPLICATION: US/09/786,480A

TIME: 15:38:17

Input Set : A:\MSIB005.ST25.txt

Output Set: N:\CRF3\05142002\I786480A.raw

```

315 ctttttgaca gtttagacttt attcctcaaa taatcgacca gtcgtttact cgaaaaaaaa 1020
317 aaaaaaaaaa aaaaan 1036
320 <210> SEQ ID NO: 4
321 <211> LENGTH: 1087
322 <212> TYPE: DNA
323 <213> ORGANISM: Triticum aestivum
325 <220> FEATURE:
326 <221> NAME/KEY: misc_feature
327 <222> LOCATION: (201)..(857)
328 <223> OTHER INFORMATION: N = any nucleotide
331 <400> SEQUENCE: 4
332 atgtatgatt tcatggctct gaacggacct tcgacacctt atattgatcg tggaatagca 60
334 ctgcataaaa tgattagact tatcacaatg ggtttaggag gagagggtta tcttaacttt 120
336 atgggaaatg agttcgggca tctgaatgg atagactttc caagaggccc acaagtactt 180
338 ccaactggta agttcatccc nngaacaac aacagttacg acaaatgccg tcgaaaattt 240
340 gacctgggtg atgcagaatt tcttaggtat catgggatgc agcagtttga tcaggcgatg 300
342 cagcatcttg agggaaaaata tggctttatg acatcagacc accagtacgt atctcggaaa 360
344 catgaggaag ataaggtgat cgtgtttgaa aaaggggact tggattttgt gttcaacttc 420
346 cactggagta atagctattt cggctaccgg gttggctggt taaagcctgg gaagtacaag 480
348 gttgtcttag actcagacgc cggactcttt ggtggatttg gtaggatcca tcacactgca 540
350 gagcaattca cttctgactg ccaacatgac aacaggcccc attcgttctc agtgtacact 600
352 cctagcagaa cctgtgttgt ctatgctoca atgaactaaa cagcaaagtg cagcatacgc 660
354 atgcacgctg ttgttgctag cactagcaag aaaaaatcgt atggtcaata caaccagggtg 720
356 caagggttaa taagggtttt tgcttcaacg agtcctggat agacaagaca acatgatgat 780
358 gtgctctgtg ctcccaaatt cccaggcgct tgnnggaaa acatgctcat ctgtgttatt 840
360 attttatgga tcagnnggga aacctcccc aaatacccat gcctccttaa acttttgtgg 900
362 tcctaaacca tggctactat cctctaaatt ggcagtttag catagaggtt ttacttttgt 960
364 aaattttttt tgacagttaa tagactctat tcctcaaata attgacatgt cctttacaag 1020
366 aagatgagaa ataaaatcag ggattgaaga atcccaaaag ctaaaaaaaa aaaaaaaaaa 1080
368 aaaaaaa 1087
371 <210> SEQ ID NO: 5
372 <211> LENGTH: 1120
373 <212> TYPE: DNA
374 <213> ORGANISM: Triticum aestivum
376 <220> FEATURE:
377 <221> NAME/KEY: misc_feature
378 <222> LOCATION: (802)..(1083)
379 <223> OTHER INFORMATION: N = any nucleotide
382 <400> SEQUENCE: 5
383 atgtatgatt tcatggcgtc gaacggacct tcgacacctt atattgatcg tggaatagca 60
385 ctgcataaaa tgattagact tatcacaatg ggtctaggag gagagggtta tcttaacttt 120
387 atgggaaatg agttcgggca tctgaatgg atagactttc caagaggccc acaagtactt 180
389 ccaagtggta agttcatccc aggaacaac aacagttacg acaaatgccg tcgaagattt 240
391 gacctgggtg atgcagaatt tcttaggtat catgggatgc agcagtttga tcaggcaatg 300
393 cagcatcttg agggaaaaata tggctttatg acatcagacc accagtacgt ttctcggaaa 360
395 catgaggaag ataaggtgat cgtgtttgaa aaaggggact tggattttgt gttcaacttc 420
397 cactggagta gtagctattt cgactaccgg gtcggctggt taaagcctgg gaagtacaag 480
399 gtggctcttag actcggacgc tggactcttt ggtggatttg gtaggatcca tcacactgca 540
401 gagcaattca cttctgactg ccaacatgac aacaggcccc attcattctc agtgtacact 600

```


RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/09/786,480A

DATE: 05/14/2002
 TIME: 15:38:18

Input Set : A:\MSIB005.ST25.txt
 Output Set: N:\CRF3\05142002\I786480A.raw

EYI

Please Note:

se of n and/or Xaa have been detected in the Sequence Listing. Please review the
 equence Listing to ensure that a corresponding explanation is presented in the <220>
 <223> fields of each sequence which presents at least one n or Xaa.

eq#:1; N Pos. 2036,2052,2074,2090,2098,2116,2147,2169,2174,2189,2244,2267
 eq#:1; N Pos. 2270
 eq#:2; Xaa Pos. 675,680,692,694,699,709,715,717,722,738,745,746
 eq#:3; N Pos. 77,1036
 eq#:4; N Pos. 201,202,813,815,855,857
 eq#:5; N Pos. 802,849,865,887,903,911,929,960,982,987,1002,1057,1080,1083
 eq#:6; N Pos. 763
 eq#:9; N Pos. 169,216,232,254,270,278,296,327,349,354,369,424,447
 eq#:10; N Pos. 179,181,221,223
 eq#:54; Xaa Pos. 6,21,26,30,31,40,41,45,59,61,62,63,64,66,69,70,71,74,75
 eq#:54; Xaa Pos. 87,90,96,97,98,100,101,105,129,130,132,142,143,159,368
 eq#:54; Xaa Pos. 457,475,506,511,558,559,701,702,715,723,724,727,734,735
 eq#:54; Xaa Pos. 741,758,760,763,767,769,770,771,772,773,775,777,778,780
 eq#:54; Xaa Pos. 781,782,783,784,785,788,790,792,793,794,795,796,797,798
 eq#:54; Xaa Pos. 799,801,802,803,804,805,806,808,809,810,812,814,816,817
 eq#:54; Xaa Pos. 818,821,822,823,824,825,826,827,828,829,830,832,833,834
 eq#:54; Xaa Pos. 835,838,839,840,841,842,844,845,846,847,848,849,852,854
 eq#:54; Xaa Pos. 855,856,857,860,861,862,863,864,865,866,868,869,870,871
 eq#:54; Xaa Pos. 872,873,874,875,876,877,878,879,880

se of <220> Feature(NEW RULES):

quence(s) are missing the <220> Feature and associated headings.
 e of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
 : "Unknown". Please explain source of genetic material in <220> to <223>
 ction (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)
 ec.1.823 of new Rules)

eq#:37,38,39,40,41,43,44,45,46,47,48,49,50,51

These are the errors